

# Introduction

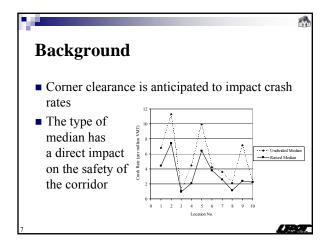
- Traffic volumes and congestion in Utah have increased in recent years
- One of the primary areas of congestion are arterial streets, which according to the AASHTO Green Book should provide "...a high operating speed and level of service"
- Utah has placed an increased emphasis on access management techniques to help manage this congestion

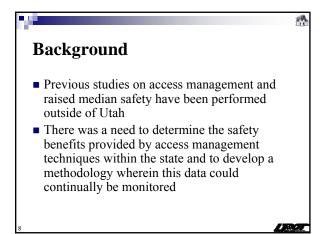
# Introduction The Utah Department of Transportation (UDOT) recently established state law to help control access management: Administrative Rule R930-6: Accommodation of Utilities and the Control and Protection of State Highway Rights of Way

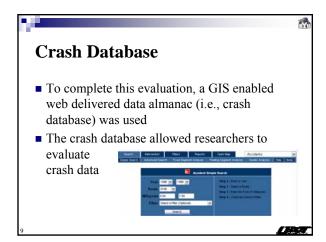
## Introduction

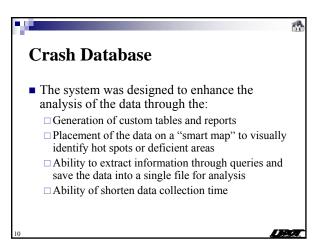
- One of the topics addressed in the Administrative Rule is **raised medians**
- UDOT was interested to determine if raised medians are an effective safety tool
- The purpose of this paper is to present the results of an assessment on the safety impacts of access management techniques (primarily raised medians) in Utah

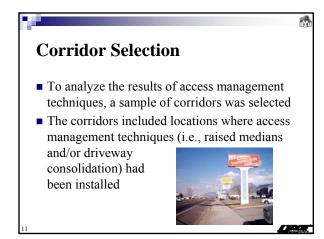
# Background Access management techniques have generally been shown to have a positive impact on safety Access point density has been shown to be positively correlated with crash rates

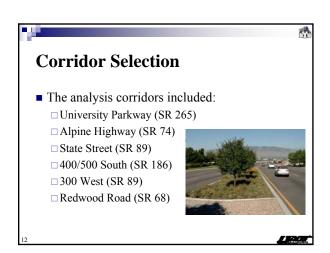


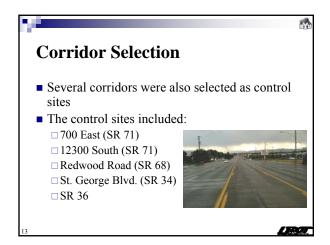


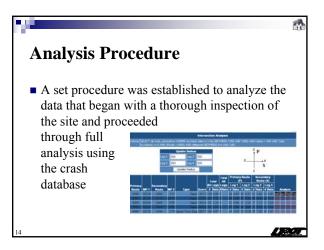


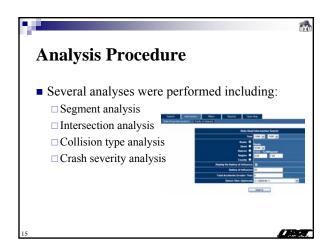


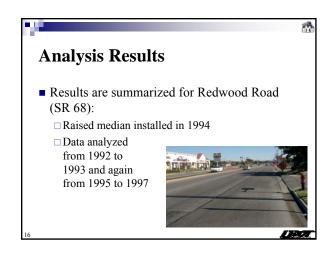


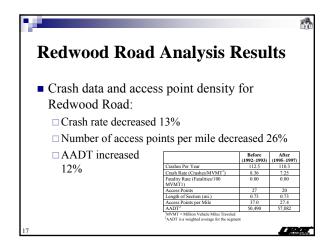


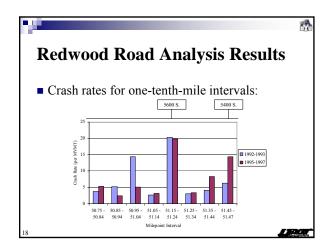


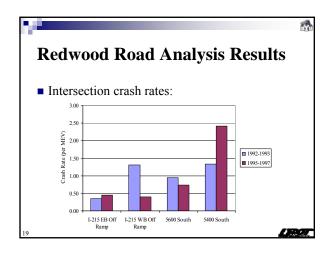


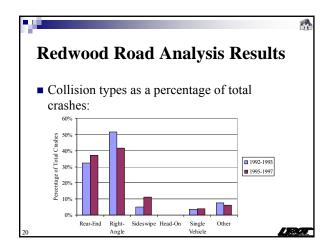


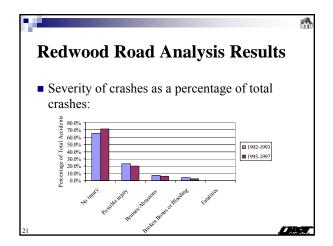


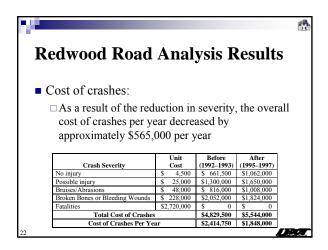


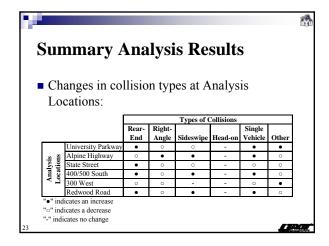


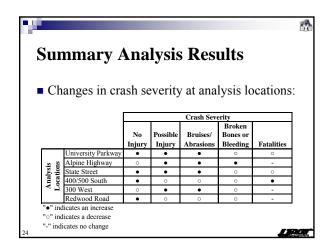


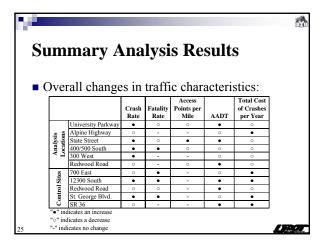


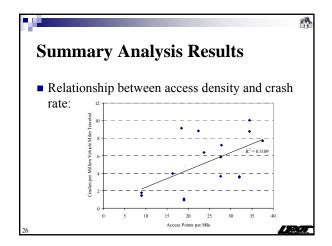












### **Conclusions**

- Research was performed to evaluate safety of access management techniques in Utah
- Results showed that access management techniques may not necessarily be effective in reducing overall crashes ...
- However, other safety improvements were consistently observed, primarily the reduction in crash severity along with the corresponding reduction in the costs associated with crashes

# **Future Research**

- More corridors are needed to develop a stronger correlation between sites
- A possible correlation was noted between crash rates and the characteristics of the corridors (e.g., land use, # lanes, AADT, etc.), which are being evaluated in a current research project to develop an access management performance index for the state

Acknowledgements

- Sponsor Utah Department of Transportation
- Facilities Brigham Young University
- Data Almanac Doug Anderson



5